

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKNDE1-RD4FMWSO-FACY2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

 [TESTLAB] Photopia 2015.1.1 see: www.ltiopics.com/ies

[ISSUE DATE]

[TEST DATE] Thu May 12 2016

[UPDATE] Thu Jun 9 2016

[TEST] SP-00480_11_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-13L-xxK-ND-E1-RD4F-MW-SO-FACY2

[LUMINAIRE] 4" aperture recessed LED downlight w/ 2"H Frosted Clear Acrylic Cylinder Element

[OTHER] Narrow Beam upper reflector, regressed Solite lens, Matte White lower cone

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	986
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5657	5871	5843
55	4514	4483	4479
65	3597	3596	3601
75	3029	3038	3022
85	2467	2567	2484

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKNDE1-RD4FMWSO-FACY2.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2858.090	2858.090	2858.090	2858.090	2858.090
5	2628.201	2662.849	2660.553	2658.351	2654.464
10	2195.236	2208.339	2212.627	2220.192	2217.396
15	1482.338	1470.079	1486.059	1481.000	1479.795
20	693.886	701.862	697.631	703.034	695.753
25	264.470	262.038	264.500	264.416	259.604
30	119.171	120.393	120.181	120.701	121.504
35	75.125	77.175	74.456	76.739	78.093
40	61.151	60.806	61.809	61.519	61.114
45	53.124	54.056	55.136	53.829	54.873
50	46.880	47.197	46.052	46.363	45.211
55	40.115	39.876	39.835	39.403	39.798
60	33.527	33.996	34.361	33.773	32.929
65	29.177	28.985	29.167	29.049	29.208
70	25.557	25.246	25.544	25.290	25.034
75	21.474	21.579	21.539	21.444	21.424
80	17.797	18.094	18.509	18.253	17.753
85	14.443	14.467	15.028	14.237	14.538
90	13.072	12.448	12.228	12.363	13.319

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Zone	Lumens	%Lamp	%Fixt
0-20	638.59	N.A.	64.80
0-30	788.10	N.A.	79.90
0-40	840.01	N.A.	85.20
0-60	917.50	N.A.	93.10
0-80	969.44	N.A.	98.30
0-90	985.76	N.A.	100.00
10-90	745.71	N.A.	75.60
20-40	201.42	N.A.	20.40
20-50	243.16	N.A.	24.70
40-70	106.58	N.A.	10.80
60-80	51.94	N.A.	5.30
70-80	22.86	N.A.	2.30
80-90	16.31	N.A.	1.70
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	985.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	240.05
10-20	398.54
20-30	149.51
30-40	51.91
40-50	41.74
50-60	35.75
60-70	29.09
70-80	22.86
80-90	16.31
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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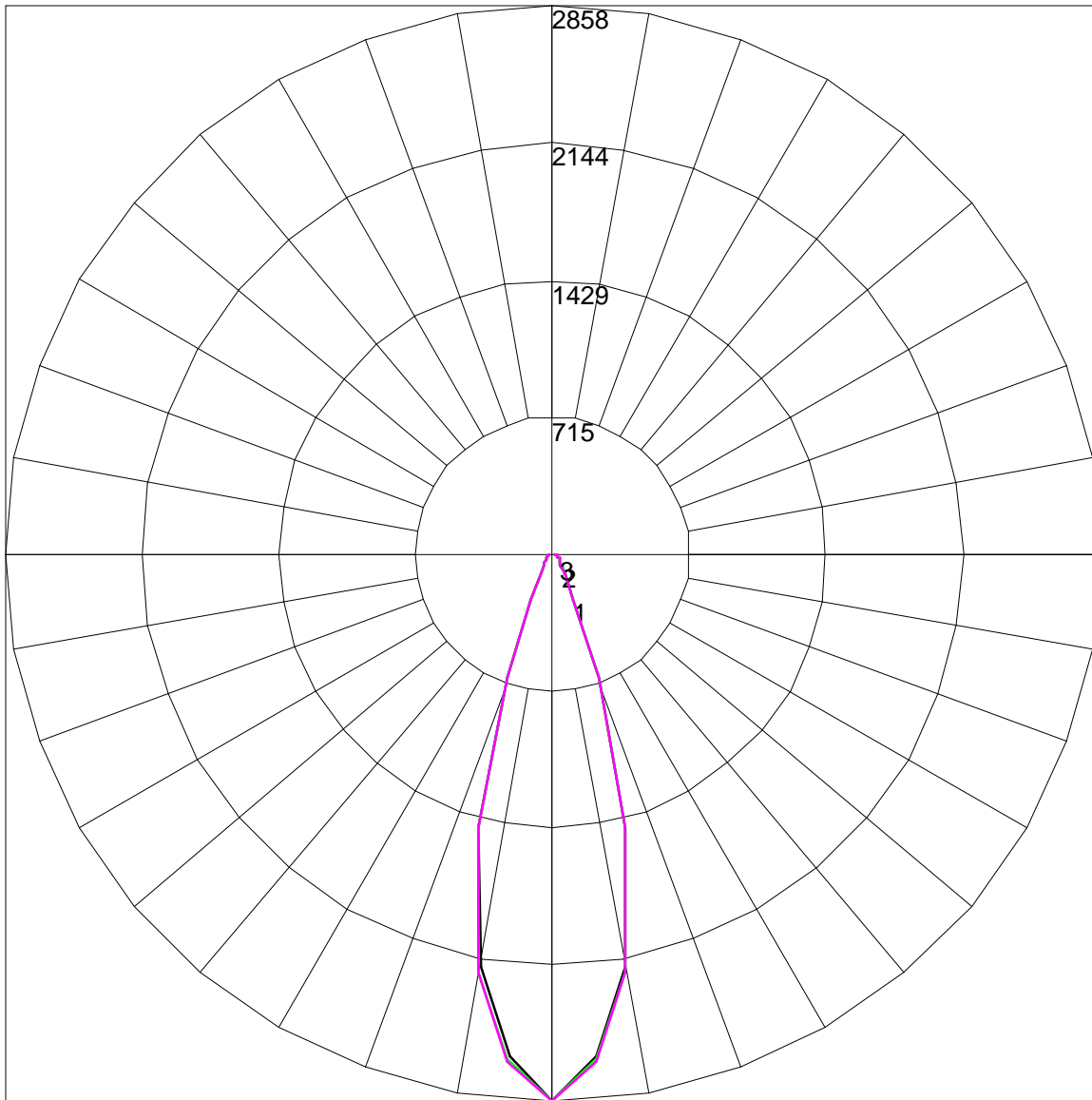
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	91	83	77	74	90	82	77	73	81	76	73	79	75	72	78	75	72	71
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65
9	82	73	68	65	81	73	68	65	72	68	64	71	67	64	70	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	64	62	61

POLAR GRAPH



Maximum Candela = 2858.09 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)